

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 02/23/2021 09:02 AM
Cytometer Baseline: 12/15/2020 11:39 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 91417 **Expiration Date:** 03/31/2021
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124391	-1	2.65	124437	2.64
Blue	F	SSC	125000	123165	-2	3.70	124127	3.64
Blue	E	FITC	14203	13694	-4	3.02	297	15.46
Blue	D	PE	25703	25271	-2	2.67	548	10.67
Blue	B	PerCP-Cy5-5	42104	40869	-3	3.44	912	14.89
Blue	A	PE-Cy7	34646	34168	-2	4.73	488	29.57
Red	C	APC	49824	49049	-2	2.89	1504	11.61
Red	A	APC-Cy7	39773	38753	-3	2.85	722	11.84
Violet	B	V450	7447	7062	-6	3.95	389	12.84
Violet	A	V500	31193	30106	-4	3.79	681	10.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22007	2.84	551	-5	N/A	N/A	Pass
Blue	F	SSC	53867	3.13	514	2	N/A	N/A	Pass
Blue	E	FITC	55	53.22	484	-2	0.0392	85	Pass
Blue	D	PE	108	38.51	486	1	0.3814	277	Pass
Blue	B	PerCP-Cy5-5	173	36.16	577	0	0.0185	32	Pass
Blue	A	PE-Cy7	111	63.81	622	2	0.0215	0	Pass
Red	C	APC	348	24.03	568	1	0.0263	52	Pass
Red	A	APC-Cy7	200	24.86	546	2	0.0062	725	Pass
Violet	B	V450	87	41.37	451	2	0.0473	1572	Pass
Violet	A	V500	121	28.66	470	3	0.0268	742	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.68	-31.49	1.02
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	20.66	15.99 - 23.99	N/A	N/A	29.90	30.12	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10294

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments